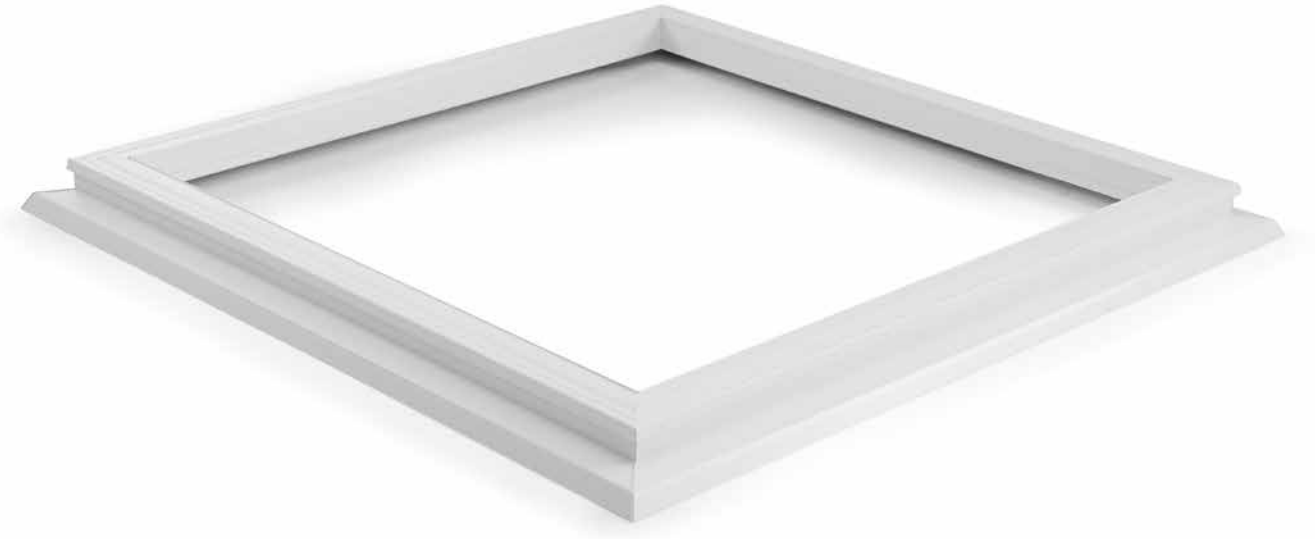

EN

Skylux® adapter frame

Mounting instructions

SKYLUX
Hello daylight!

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Before starting installation or maintenance of the adapter frame, you must take all necessary safety measures.
The adapter frame must be installed by a professional.

2 SAFETY

Take the necessary and required safety precautions, such as safety nets and lifelines when installing from the outside, safety goggles, gloves, hard hat, etc.
Do not step on the glass.

Falling from height

- When using ladders to go on the roof:
  - Ladder in good condition?
  - Set up correctly at an angle of 75°?
  - Secured below and on top against moving?
  - Don't take heavy material with you on the ladder (3-point contact rule)! If possible, use a crane to lift the material.
- Do not lift material over the roof edge; use a crane to put the material on the roof.
- Roof zone: make sure the part of the roof where the skylight/barrel vault will be installed is safe enough, e.g. secure the edge (support system in the roof gutter that supports against the outer wall of the building, with suitable A B C category depending on the roof pitch) or use a scaffold so no one can fall off the roof. If the roof is not safe enough, always use a harness with lifeline (adapted to the fall height), attached to a suitable attachment point.
- Make sure the roof is stable and does not have dangerous openings or insufficient secure parts (e.g. corrugated sheets, ...). Take the necessary measures if this is not the case: strengthen, use suitable safety nets below the danger zones, ...
- Before making the roof opening for the skylight/barrel vault: make sure there are safety nets conform to the current legislation. The nets must be attached firmly and sufficiently to the building.
- When using an aerial work platform: always wear and secure your harness (mandatory)! Leaving the cage is forbidden.
- Never walk backwards on a roof, always walk forwards.
- Make sure there's enough light in the working zone.

Low-hanging obstacles and falling loads

- Forbidden to walk under or within a radius of 1 m of a hanging or lifted load.
- Demarcate the danger zone below the skylight/barrel vault, in the building as well as on the outside near the outer walls (in case material slides off the roof). If the zone is demarcated, people cannot be hit by any falling loads. It's prohibited to enter these danger zones during construction.

Crushing hazard

- All working tools are in good condition, provided with a valid CE label and all necessary safety regulations. These cannot be removed.
- People who use these working tools are educated for this purpose. Protections are always present on all working tools. They are in good condition and need to be set correctly.

Tripping/falling

- Safety is key and it begins with order and tidiness. Clean everything immediately, leave nothing lying around.
- Trash needs to be sorted.
- Be cautious with electric cables (danger of tripping/falling). Never walk backwards!
- Make sure there's enough light in the working zone.

Sharp objects

- Make sure your fingers/hands are not pinched and watch out for cuts while handling skylights or barrel vaults.
- Be careful where you put your hands during the installation.
- Wearing cut-resistant gloves is mandatory.

Ergonomics

- Always lift loads correctly: bend your knees, move your feet instead of forcing your spine, lift as close to your body as possible.
- Parts of more than 25 kg must be lifted with at least 2 persons.

Personal protective equipment

- Work clothes, safety shoes and helmet are mandatory for everyone.

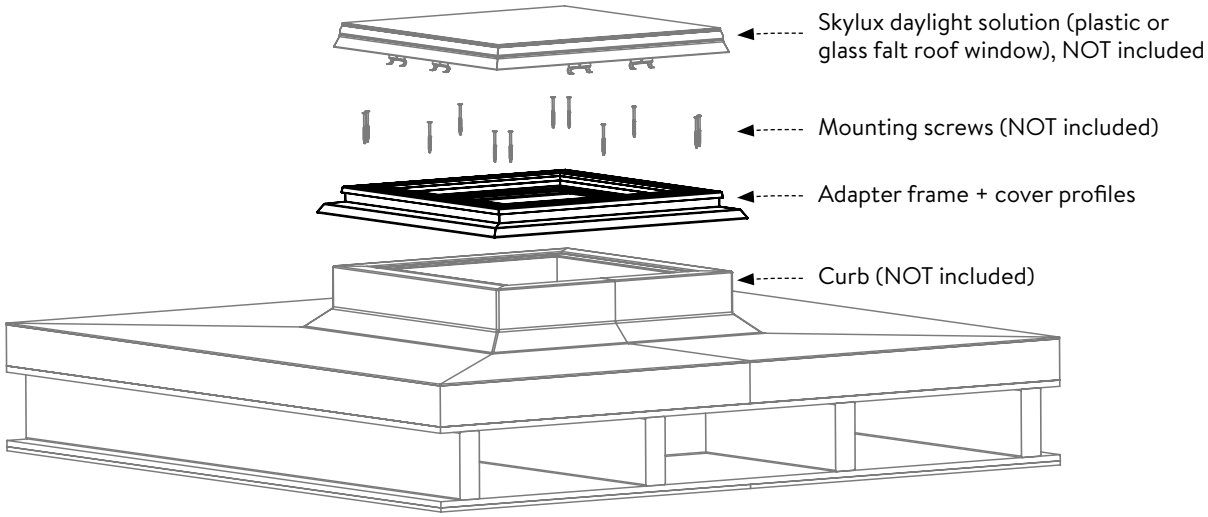
- Lifeline and harness are mandatory if the edge is not secured enough or if there are no safety nets below the roof opening. They are also necessary when using an aerial working platform.

- Use gloves when handling skylight or barrel vault parts..

- Safety glasses and hearing protection are mandatory when using saws / grinders.

Always perform a Last Minute Risk Analysis!
If in doubt: STOP! Do not take unnecessary risks. Ask your supervisor if needed.

3 GENERAL PRODUCT DESCRIPTION AND APPLICATION AREA

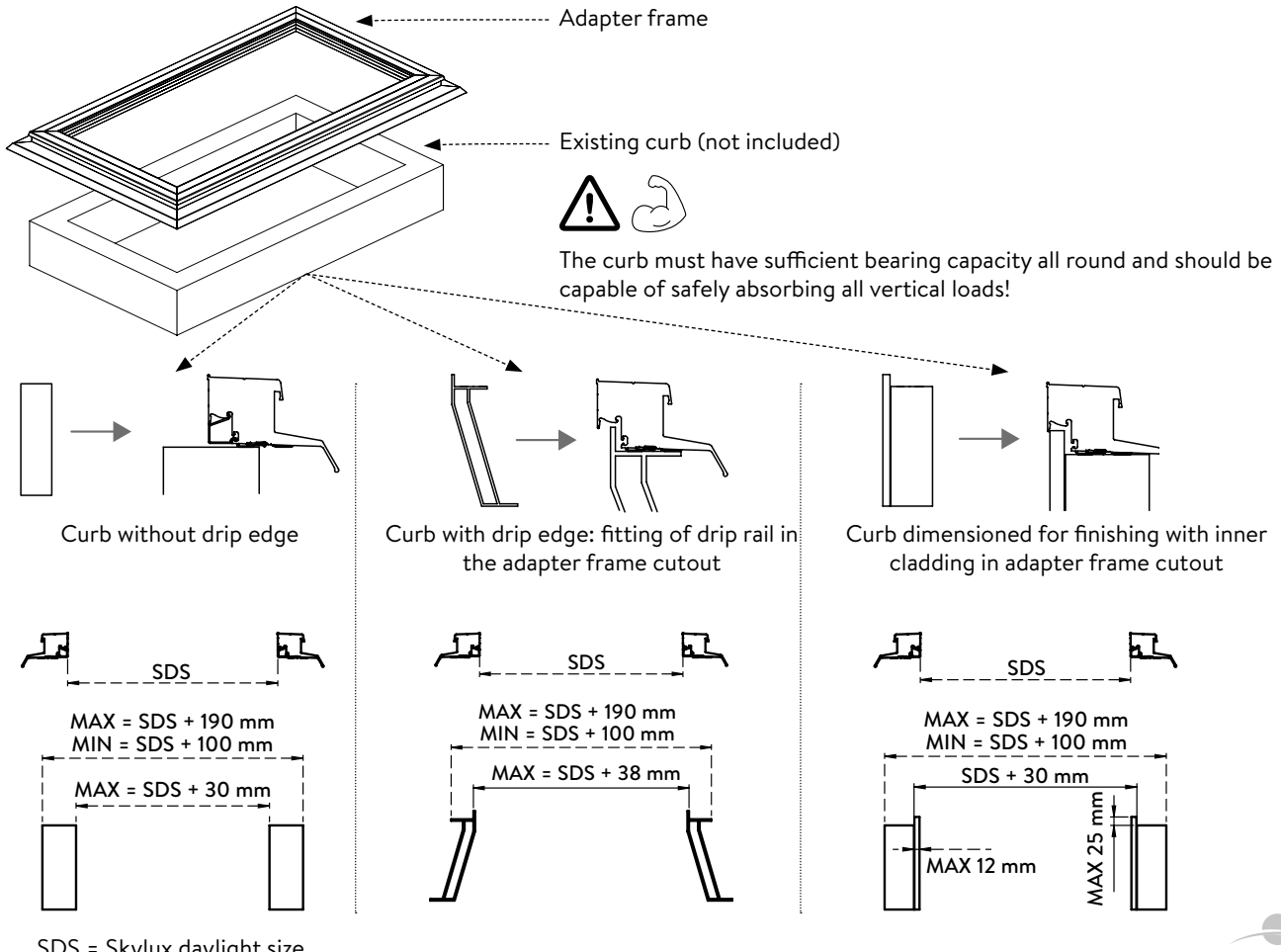

Skylux daylight solution (plastic or glass falt roof window), NOT included
Mounting screws (NOT included)
Adapter frame + cover profiles
Curb (NOT included)

3.1 Product description

The adapter frame provides the option to install a Skylux daylight solution (plastic or hybrid skylight or glass flat roof window) on a wide range of curbs. This makes the adapter frame very suitable for partial refurbishment.

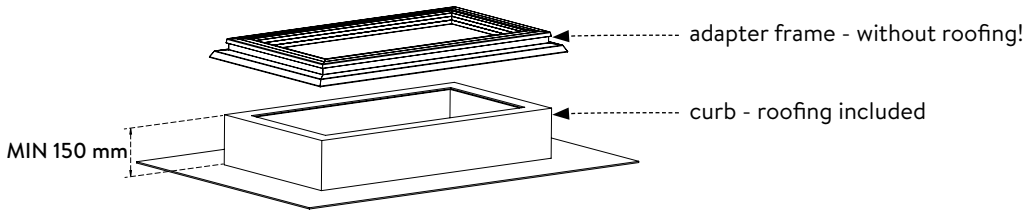
3.2 General requirements and recommendations for an existing curb

The adapter frame is NOT a curb itself, hence it necessitates installation on a SUITABLE CURB.
The roof cladding is not extended up to the adapter frame.
Compatibility of curb dimensions:


Adapter frame
Existing curb (not included)
The curb must have sufficient bearing capacity all round and should be capable of safely absorbing all vertical loads!
Curb without drip edge
Curb with drip edge: fitting of drip rail in the adapter frame cutout
Curb dimensioned for finishing with inner cladding in adapter frame cutout
SDS
MAX = SDS + 190 mm
MIN = SDS + 100 mm
MAX = SDS + 30 mm
SDS
MAX = SDS + 190 mm
MIN = SDS + 100 mm
MAX = SDS + 38 mm
SDS
MAX = SDS + 190 mm
MIN = SDS + 100 mm
SDS + 30 mm
MAX 12 mm
MAX 25 mm

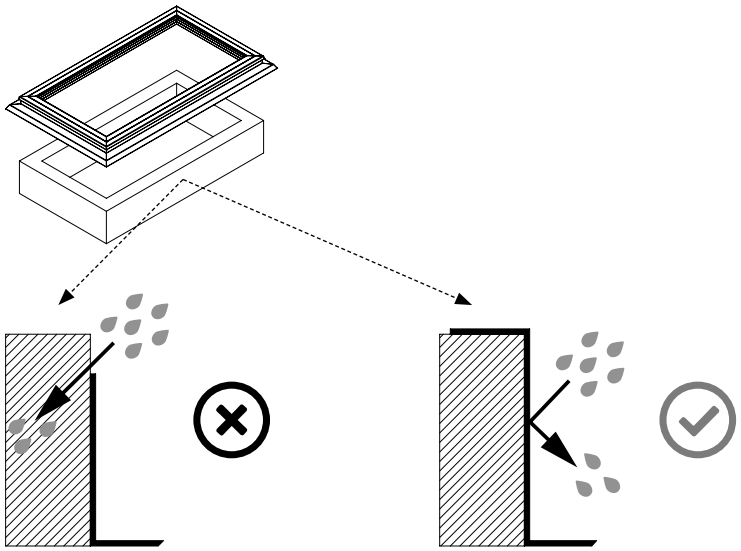
SDS = Skylux daylight size

Minimum height of curb measured from the top of the roofing:



The curb should have a minimum height of 150 mm, measured from the top of the roofingto the top of the finished curb.

Curb must be finished fully watertight:

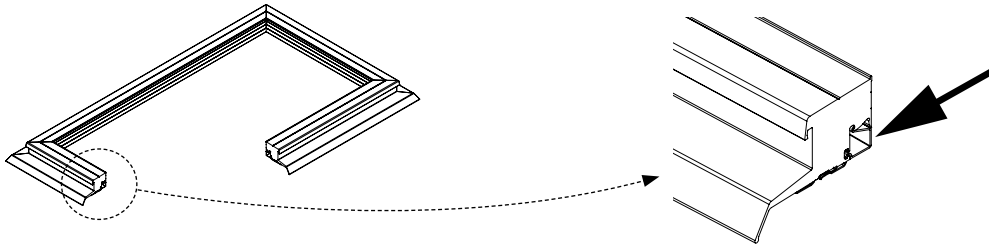


If the existing curb does not meet the above requirements, this may lead to functional issues including glass breakage, stress cracks, leaks, and visual imperfections.

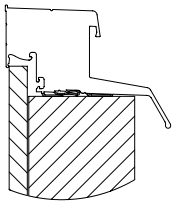
4 ASSEMBLY INSTRUCTIONS

4.1 Remove cover profiles if necessary

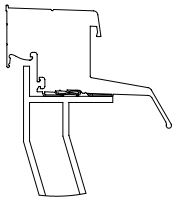
The adapter frame is always supplied with clicked cover profiles as standard.



Examples of situations where cover profiles are not required:

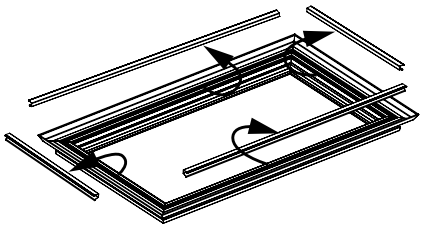


Use of cutout in adapter frame for interior finish



Curb with high drip edge

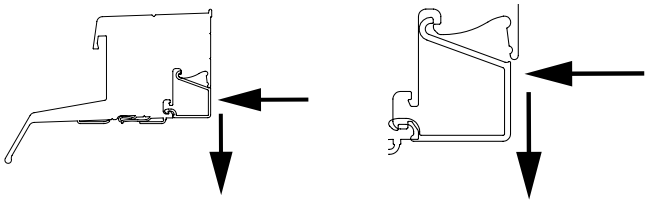
Remove cover profiles:



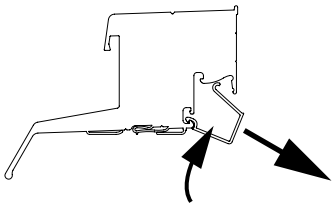
TIP: this is easier if the adapter frame has not yet been mounted.

How to remove it?

1. Press the top part of the cover profile inwards, then shift the profile down.

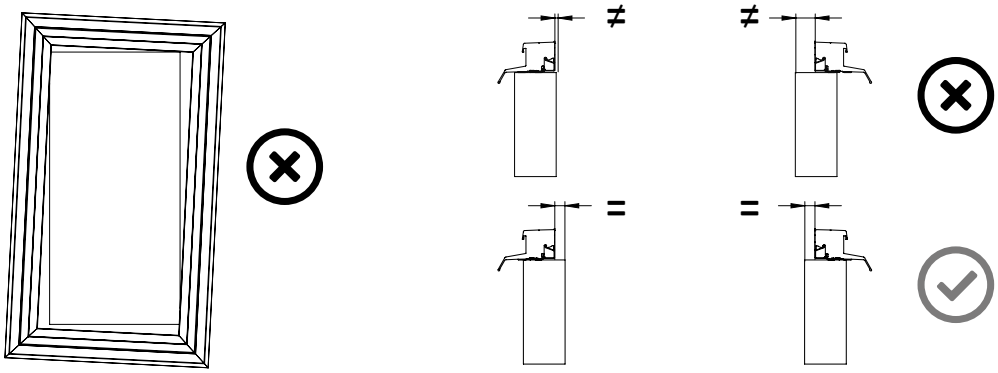


2. Tilt the bottom and pull forwards.



4.2 Position the adapter frame on the curb

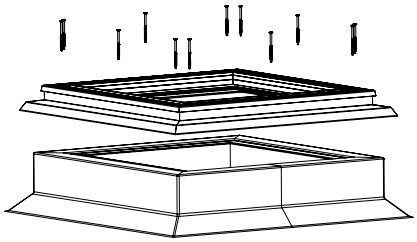
Remove the cover profiles if necessary.
Place the adapter frame on the curb.



Make sure that the adapter frame is properly centred in relation to the curb!

4.3 Screw the adapter frame onto the curb

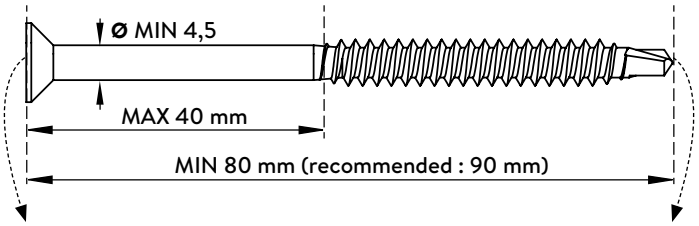
The adapter frame must be secured with suitable screws. Screws NOT included!



4.4 Recommended screws

Screws NOT included!
The screws must be suitable for the curb type.
The figure below provides several guidelines for the selection of screws.

The installer is responsible for selecting and using screws that are compatible with the material.
Use screws suitable for outdoor use!



Screw head type:

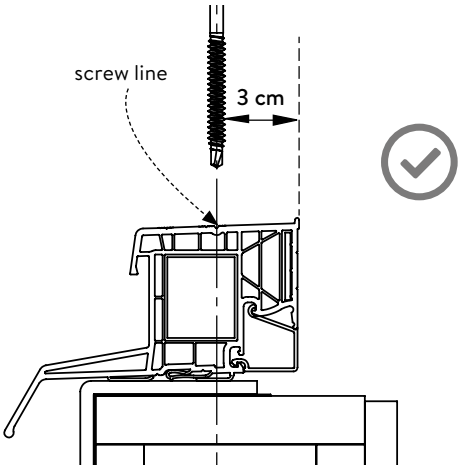
countersunk head ✓
low round head ✓
high round head ✗

Point type:

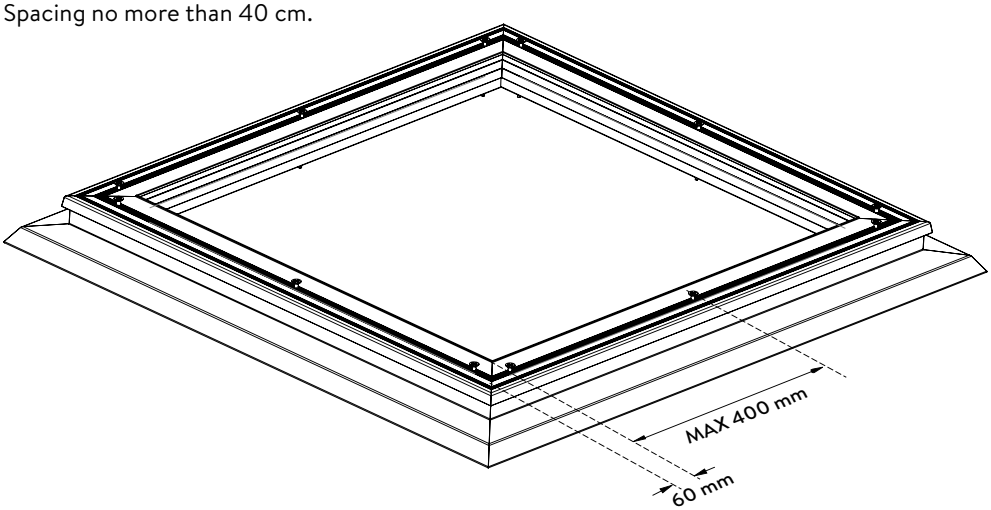
Wooden curb = wood screw
Polyester curb = self-drilling
Metal curb = self-tapping
Other curb = ….

4.5 Screw location & number of screws

The top surface of the adapter frame has a deep groove.
This is the only location where screws may be applied.



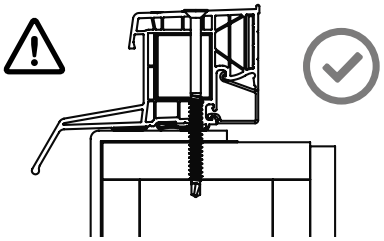
Guideline (*):
First screw at ± 60 mm from the side of the upper surface.
Spacing no more than 40 cm.



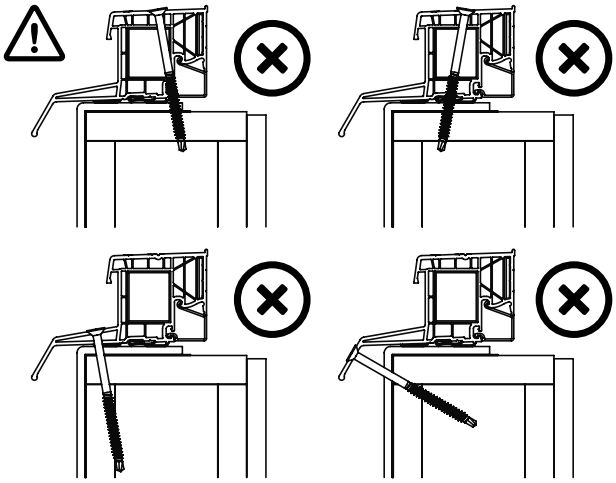
(*) If the situation calls for it, don't hesitate to use additional screws.
When combined with opening systems, additional screws should be used, with a maximum spacing of 200 mm.

4.6 Correct screwing method

Screw the adapter frame as indicated.

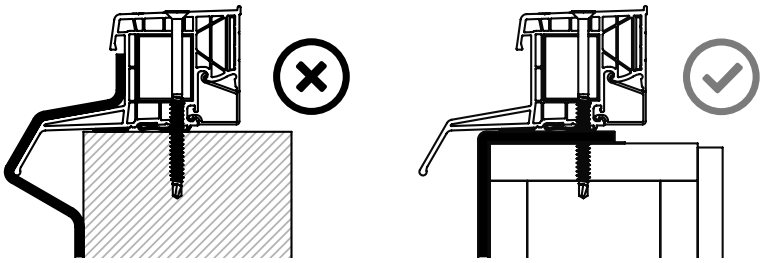


Below are a few examples of INCORRECT installation!



4.7 Finish

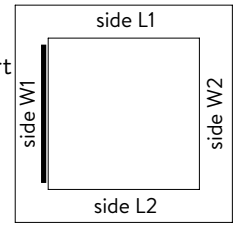
No further finishing is necessary after the adapter frame has been attached to the curb with screws.
The roofing should NEVER be extended onto the adapter frame!



4.8 Inserts

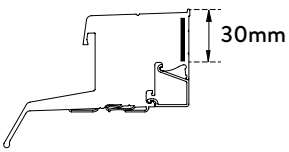
The adapter frame is supplied with one or two metal inserts as standard.
These inserts make it possible to, for example, secure an opening system onto the adapter frame.

square: one insert (top view)



rectangular: two inserts (top view)

Insert location:
The inserts are located on the side of the daylight size and should be measured from the top of the adapter frame, spanning a height of 30 mm.



Insert lengths per available adapter frame

daylight size (mm)	insert length (mm)			
W x L	side W1	side W2	side L1	side L2
400 x 400	350	x	x	x
400 x 700	350	x	650	x
400 x 1000	350	x	750	x
400 x 1300	350	x	950	x
400 x 1400	350	x	1370	x
400 x 1600	350	x	1450	x
400 x 1900	350	x	1880	x
400 x 2200	350	x	1950	x
400 x 2800	350	x	2700	x
400 x 3000	350	x	2700	x
450 x 450	420	x	x	x
450 x 750	420	x	700	x
450 x 1050	420	x	950	x
500 x 500	450	x	x	x
500 x 700	450	x	650	x
500 x 800	450	x	750	x
500 x 1000	450	x	750	x
500 x 1100	450	x	950	x
500 x 1400	450	x	1370	x
500 x 1700	450	x	1650	x
500 x 2000	450	x	1950	x
500 x 2300	450	x	1950	x
550 x 550	500	x	x	x
600 x 600	550	x	x	x
600 x 800	550	x	750	x
600 x 900	550	x	750	x
600 x 1200	550	x	950	x
600 x 1300	550	x	950	x
600 x 1500	550	x	1450	x
600 x 1800	550	x	1750	x
600 x 2000	550	x	1950	x
700 x 700	650	x	x	x
700 x 1000	650	x	750	x
700 x 1300	650	x	950	x
700 x 1500	650	x	1450	x
700 x 1600	650	x	1450	x
700 x 2000	650	x	1950	x
700 x 2200	650	x	1950	x
750 x 750	700	x	x	x
750 x 1050	700	x	950	x
750 x 1250	700	x	950	x
750 x 1650	700	x	1450	x
750 x 1750	700	x	1650	x
750 x 2250	700	x	1950	x
800 x 800	750	x	x	x
800 x 1100	750	x	950	x
800 x 1300	750	x	950	x
800 x 1400	750	x	1370	x
800 x 1550	750	x	1450	x
800 x 1600	750	x	1450	x
800 x 1700	750	x	1650	x
800 x 1800	750	x	1750	x
800 x 2000	750	x	1950	x
800 x 2200	750	x	1950	x
800 x 2300	750	x	1950	x
800 x 2500	750	x	2450	x

daylight size (mm)	insert length (mm)			
W x L	side W1	side W2	side L1	side L2
800 x 2800	750	x	2700	x
850 x 850	750	x	x	x
900 x 900	750	x	x	x
900 x 1200	750	x	950	x
900 x 1500	750	x	1450	x
900 x 1750	750	x	1650	x
900 x 1800	750	x	1750	x
900 x 2100	750	x	1950	x
1000 x 1000	750	x	x	x
1000 x 1300	750	x	950	x
1000 x 1500	750	x	1450	x
1000 x 1600	750	x	1450	x
1000 x 1800	750	x	1750	x
1000 x 1900	750	x	1880	x
1000 x 2000	750	x	1950	x
1000 x 2200	750	x	1950	x
1000 x 2300	750	x	1950	x
1000 x 2500	750	x	2450	x
1000 x 2800	750	x	2700	x
1000 x 3000	750	x	2700	x
1050 x 1050	950	x	x	x
1050 x 1650	950	x	1450	x
1050 x 2250	950	x	1950	x
1100 x 1100	950	x	x	x
1100 x 1400	950	x	1370	x
1100 x 1700	950	x	1650	x
1100 x 2300	950	x	1950	x
1200 x 1200	950	x	x	x
1200 x 1400	950	x	1370	x
1200 x 1500	950	x	1450	x
1200 x 1800	950	x	1750	x
1200 x 2100	950	x	1950	x
1200 x 2200	950	x	1950	x
1200 x 2400	950	x	2350	x
1300 x 1300	950	x	x	x
1300 x 1600	950	x	1450	x
1300 x 1900	950	x	1880	x
1300 x 2000	950	x	1950	x
1300 x 2200	950	x	1950	x
1300 x 2300	950	x	1950	x
1300 x 2500	950	x	2450	x
1300 x 2800	950	x	2700	x
1400 x 1400	1370	x	x	x
1450 x 1700	750	x	1650	x
1500 x 1500	1450	x	x	x
1550 x 1550	1450	x	x	x
1550 x 2250	1450	x	1950	x
1600 x 1600	1450	x	x	x
1600 x 2000	1450	x	1950	x
1600 x 2200	1450	x	1950	x
1600 x 2300	1450	x	1950	x
1600 x 2500	1450	x	2450	x
1600 x 2800	1450	x	2700	x
1700 x 1700	1650	x	x	x
1800 x 1800	1750	x	x	x
2000 x 2000	1950	x	x	x

5 INSTALLING THE SKYLIGHT

5.1 Skylux version glass flat roof window

See the Skylux iWindow2 or iWindow3 mounting instructions.

5.2 Skylux version hybrid skylight

See the Skylux iDome mounting instructions.

5.3 Skylux version plastic skylight

See the Skylux skylight mounting instructions.

Always check that the skylight nuts and bolts are tightened properly.
Ensure that the screws of the plastic skylight do not align directly with the screws of the adapter frame.

ONLY USE ORIGINAL PARTS SUPPLIED BY SKYLUX. FAILURE TO USE ORIGINAL PARTS VOIDS THE GUARANTEE.

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SKYLUX
Hello daylight!